

Amendments to the Claims

Please amend claims 13, 16, 19 and 20 as follows:

1-12. (Cancelled)

13. (Currently Amended) Method for reducing noise caused by a quantization procedure during the signal processing of a display device with digitally driven pixels by , comprising:

digitally filtering a signal charged with said noise with a digital filter having a plurality of filter coefficients, said signal including a video level for each pixel of said display device, and

wherein

varying at least one of said filter coefficients of the filter in dependence on the video level of the for a current pixel of said signal to be filtered by stronger filtering a lower video level for said pixel while less filtering or not filtering a higher video level for said pixel to reduce noise in the lower video level.

14. (Previously Presented) Method according to claim 13, wherein said filtering includes one and/or two dimensional low pass filtering.

15. (Previously Presented) Method according to claim 13, wherein said filtering includes one and/or two dimensional median filtering.

16. (Currently Amended) Method according to claim 13, wherein ~~the value of a filter coefficient decreases when the luminance of a current pixel increases~~ a decreased value for the filter coefficient is used for a pixel with increased luminance.

17. (Previously Presented) Method according to claim 13, wherein the spatial dimension and/or the temporal direction of said digital filter varies with the video level of a current pixel.

18. (Previously Presented) Method according to claim 13, wherein, in case of a low

pass filter, the coefficients are given by
$$\frac{1}{\sum_{i=0}^8 a_i} \begin{vmatrix} a_2 & a_3 & a_4 \\ a_1 & a_0 & a_5 \\ a_8 & a_7 & a_6 \end{vmatrix}$$

with $a_0=1$ and with $a_i=f_i(x_0, x_i)$.

19. (Currently Amended) Method according to claim ~~20~~ 18, wherein, the function is

the following: $f_{2n}(x_0, x_{2n}) = \begin{vmatrix} \alpha & \text{if } |x_{2n} - x_0| \leq \Delta \\ 0 & \end{vmatrix}$ and $f_{2n+1}(x_0, x_{2n+1}) = \begin{vmatrix} \beta & \text{if } |x_{2n+1} - x_0| \leq \Delta \\ 0 & \end{vmatrix}$

with Δ a limit of neighbor.

20. (Currently Amended) Device for reducing noise caused by a quantisation during the signal processing of a display device with digitally driven pixels, comprising:

~~including~~ digital filter means for digitally filtering a video signal charged with said noise, said filter means having a plurality of filter coefficients, and said signal including a video level for each pixel of said display device, and ~~wherein~~

a controlling means connected to said digital filter means for varying at least one of said filter coefficients in dependence on the video level of the for a current pixel of said signal to be filtered by stronger filtering a lower video level for said pixel while less filtering or not filtering a higher video level for said pixel to reduce noise in the lower video level.

21. (Previously Presented) Device according to claim 20, wherein said digital filter means includes one and/or two dimensional low pass filter.
22. (Previously Presented) Device according to claim 20, wherein said digital filter means includes a one and/or two dimensional median filter.
23. (Previously Presented) Device according to claim 20, wherein the value of a filter coefficient is decreasable by said controlling means when the luminance of a current pixel increases.

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24. (Previously Presented) Device according to claim 20, wherein the spatial dimension and/or the temporal direction of a filter of said digital filter means is variable with the video level of a current pixel by said controlling means.